

**A WEB-BASED JOB MANAGEMENT SYSTEM MODEL
FOR BM COMMUNICATION**

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**A Web-Based Job Management System Model
For BM Communication**

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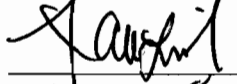
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ABSTRAK (BAHASA MALAYSIA)

Kebelakangan tahun ini, internet merupakan salah satu servis yang penting dalam kehidupan manusia. Penggunaan internet telah memenuhi keperluan harian manusia dengan penggunaan aplikasi web. Peniaga boleh menguruskan segala urusan niaga peniagaannya dengan mudah melalui aplikasi web. BM Communications telah menghadapi masalah guna manual untuk merekodkan status perkerjaan mereka. Tujuan utama kajian ini adalah untuk menyelesaikan masalah merekod status pekerjaan BM Communications dengan menggunakan aplikasi web. Kepentingan model ini adalah untuk menawarkan sistem pengurusan aplikasi web untuk mengurangkan beban dan meningkatkan kecekapan pekerja. Malah pengurus BM Komunikasi boleh menggunakan sistem ini untuk merekod dan menyemakan status pekerjaan dengan mudah. Akhir kata, penggunaan prototaip ini akan meningkatkan prestasi kakitangan BM Communications.

ABSTRACT (ENGLISH)

In recent years, because of the rapid rise of the Internet, it has become a part of daily life. People complete their daily needs through the web application. Some small businesses even set up their own web application Systems to make their work more efficient. BM Communication was facing problem where their manual operation for record their job status. This study is aim to propose web-based Job Management System model for BM Communication in order to help them manage their job records. The main significant of this model is to offer a web-based Job Management System to decrease admin workload and increase the staff's efficiency. On the other hand, this system could allow the owner and admin manage the jobs record and check the job status which will improve the staff's efficiency. Moreover owner of BM Communications could use this system to check the job record easily by using this web-based System. By using this prototype, it will increase work performance of the staff form BM Communications.

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TABLE OF CONTENTS

PERMISSION TO USE	i
ABSTRAK (BAHASA MALAYSIA)	ii
ABSTRACT (ENGLISH)	iii
ACKNOWLEDGEMENT	iv
TABLE OF CONTENTS	v
LIST OF FIGURES	xiv
LIST OF TABLES	xxii

CHAPTER ONE : INTRODUCTION

1.0 Introduction	1
1.1 Problem Background	4
1.2 Research Question	6
1.3 Research Objective	6
1.4 Significant of the study	6
1.5 Scope of the study	7
1.6 Report Organization	7

CHAPTER TWO : LITERATURE REVIEW

2.0 Introduction	9
2.1 Job Management System	9
2.1.1 Job Management System Feature Classification	10
2.1.2 Job Management System Architecture	13
2.1.3 Major functional of a Job Management System	14

2.1.4 Overview Job Management System	16
2.1.5 Previous and Related Works	17
2.2 The needs of Web based JMS	20
2.2.1 Benefits Web Application	21
2.3 Unified Modeling Language (UML)	22
2.3.1 Web Application Modelling with UML	23
2.4 Tools for Web-Based Job Management System Prototype Development	24
2.4.1 PHP	24
2.4.2 Web Server Apache	26
2.4.2 MySQL	27
2.5 Requirements Validation	27
2.5.1 Techniques for Requirements Validation	28
2.6 Usability Evaluation	31
2.6.1 User Acceptance	31
2.6.1.1 User Acceptance Model	32
2.6.1.1.1 Technology Acceptance Model (TAM)	33
2.7 Summary	35

CHAPTER THREE : RESEARCH METHODOLOGY

3.0 Introduction	36
3.1 Design Research Methodology	36
3.1.1 Awareness of Problem	37
3.1.2 Suggestion	39
3.1.3 Development	39

3.1.4 Evaluation	41
3.1.4.1 Test Case And Expert Review	41
3.1.4.2 User Acceptance	42
3.1.5 Conclusion	42
3.2 Summary	42

CHAPTER FOUR : ANALYSIS AND DESIGN

4.0 Introduction	44
4.1 System Requirements	44
4.1.1 Functional requirements	45
4.1.2 Non-functional requirements	46
4.2 System Analysis Design	47
4.3 Use Case Specification	48
4.3.1 Login Use Case	48
4.3.2 Manage Product List Use Case	49
4.3.3 Manage Dealer List Use Case	50
4.3.4 Manage Fault List Use Case	52
4.3.5 Manage Spare Part List Use Case	53
4.3.6 Manage Delivery Order Use Case	55
4.3.7 Add Check-in Job List Use Case	56
4.3.8 Add Check-out Job List Use Case	57
4.3.9 Add Quotation Job List Use Case	58
4.3.10 View Check-in Job List Use Case	59
4.3.11 View Check-out Job List Use Case	60

4.3.12 View Quotation Job List Use Case	61
4.3.13 View Job Report Use Case	62
4.4 Activity Diagrams	63
4.5 Sequence Diagram	65
4.5.1 Login Sequence Diagram	65
4.5.2 Manage Product List Sequence Diagram	66
4.5.3 Manage Spare Part List Sequence Diagram	69
4.5.4 Manage Phone fault List Sequence Diagram	71
4.5.5 Manage Dealer List Sequence Diagram	74
4.5.6 Manage Delivery Order List Sequence Diagram	77
4.4.7 Add Check-in Job List Sequence Diagram	79
4.5.8 Add Check-out Job List Sequence Diagram	80
4.5.9 Add Quotation Job List Sequence Diagram	80
4.5.10 View Check-in Job List Sequence Diagram	81
4.4.11 View Check-out Job List Sequence Diagram	82
4.4.12 View Quotation Job List Sequence Diagram	83
4.4.13 View Report Sequence Diagram	84
4.6 Collaboration Diagram	88
4.6.1 Login Collaboration Diagram	88
4.6.2 Manage Product List Collaboration Diagram	89
4.6.3 Manage Spare Part List Collaboration Diagram	91
4.6.4 Manage Phone fault List Collaboration Diagram	93
4.6.5 Manage Dealer List Collaboration Diagram	95
4.6.6 Manage Delivery Order Collaboration Diagram	97

4.6.7 Add Check-in Job List Collaboration Diagram	99
4.6.8 Add Check-out Job List Collaboration Diagram	99
4.6.9 Add Quotation Job List Collaboration Diagram	100
4.6.10 View Check-in Job List Collaboration Diagram	100
4.6.11 View Check-out Job List Collaboration Diagram	101
4.6.12 View Quotation Job List Collaboration Diagram	102
4.6.13 View Report Collaboration Diagram	103
4.7 Class Diagram	108
4.8 Summary	109

CHAPTER FIVE : DISCUSSION AND EVALUATION

5.0 Introduction	110
5.1 User Interface Design	110
5.1.1 Index Page	110
5.1.2 Main Page	111
5.1.3 Manage Product List	112
5.1.3.1 Add New Product Page	112
5.1.3.2 View Added Product Page	113
5.1.3.3 Update Product Page	114
5.1.3.4 Search Product Page	114
5.1.3.5 View All Product Page	115
5.1.3.5 View Selected Product Page	116
5.1.4 Manage Spare Part List	116
5.1.4.1 Add New Spare Part Page	116

5.1.4.2 Update Spare Part Page	118
5.1.4.3 Search Spare Part Page	119
5.1.4.4 View All Spare Part Page	120
5.1.4.5 View Selected Spare Part Page	121
5.1.5 Manage Phone Fault List	122
5.1.5.1 Add New Phone Fault Page	122
5.1.5.2 Update Phone Fault Page	124
5.1.5.3 Search Phone Fault Page	125
5.1.5.4 View All Phone Fault Page	126
5.1.5.5 View Selected Phone Fault Page	127
5.1.6 Manage Dealer List	128
5.1.6.1 Add New Dealer Page	128
5.1.6.2 Update Dealer Page	129
5.1.6.3 Search Dealer Page	130
5.1.6.4 View All Dealer Page	131
5.1.6.5 View Selected Dealer Page	132
5.1.7 Manage Delivery Order List	133
5.1.7.1 Add New Delivery Order Page	133
5.1.7.2 Search New Delivery Order Page	138
5.1.7.3 View All New Delivery Order Page	139
5.1.7.4 View All New Delivery Order Page	139
5.1.8 Add Check-in Job List	141
5.1.8.1 Add New Check-in Job Page	141
5.1.9 Add Check-out Job List	142

5.1.9.1 Add New Check-out Job Page	142
5.1.10 Add Quotation Job List	144
5.1.10.1 Add New Quotation Job Page	144
5.1.11 View Check-in Job List	146
5.1.11.1 View All Check-in Job Page	146
5.1.11.2 View Selected Check-in Job Page	147
5.1.12 View Check-out Job List	148
5.1.12.1 View All Check-out Job Page	148
5.1.12.2 View Selected Check-out Job Page	149
5.1.13 View Quotation Job List	150
5.1.13.1 View All Quotation Job Page	150
5.1.13.2 View Selected Quotation Job Page	151
5.1.14 View Report	152
5.1.14.1 Current Job on Hand Page	152
5.1.14.2 Job Overtime Page	153
5.1.14.3 Search Analysis Dealer Page	154
5.1.14.4 Analysis Dealer Result Page	155
5.1.14.5 Search Analysis Phone Fault Page	156
5.1.14.6 Analysis Phone Fault Result Page	157
5.1.14.7 Search Job Report Page	158
5.1.15.1 Job Report Result Page	158
5.2. Summary	159

CHAPTER SIX : DISCUSSION AND EVALUATION

6.0 Introduction	160
6.1 Functionality Testing for Job Management System	160
6.1.1 Test Case for Job Management System Prototype	160
6.1.1.1 Test case ID: JMS-TC01	160
6.1.1.2 Test case ID: JMS-TC02	161
6.1.1.3 Test case ID: JMS-TC03	163
6.1.1.4 Test case ID: JMS-TC04	164
6.1.1.5 Test case ID: JMS-TC05	166
6.1.1.6 Test case ID: JMS-TC06	167
6.1.1.7 Test case ID: JMS-TC07	168
6.1.1.8 Test case ID: JMS-TC08	169
6.1.1.9 Test case ID: JMS-TC09	170
6.1.1.10 Test case ID: JMS-TC010	171
6.1.1.11 Test case ID: JMS-TC011	172
6.1.1.12 Test case ID: JMS-TC012	173
6.1.1.3 Test case ID: JMS-TC013	174
6.2 User Acceptance Evaluation	177
6.3 Data Analysis	177
6.3.1 General information	177
6.3.1.1 Gender	177
6.3.1.2 Employ Background	178
6.3.2.1 User Evaluation	179
6.3.2.1.1 Perceived Usefulness	180

6.3.2.1.2 Perceived Ease Of Use	184
6.3.2.1.2 Perceived Ease Of Use	188
6.3.2.2 Descriptive Statistics	190
6.4 Discussion	192
6.5 Summary	192
 CHAPTER SEVEN : CONCLUSION	
7.0 Introduction	193
7.1 Contribution of Study	193
7.2 The Research Objective	193
7.3 Limitations	195
7.4 Future Work	196
7.5 Conclusion	196
 REFERENCES	198
 APPENDIX (A) : Functional Requirement For JMS	203
 APPENDIX (B) : Non Functional Requirement For JMS	212
 APPENDIX (C) : QUESTIONNAIRE	213

LIST OF FIGURES

<u>Figure Number</u>		<u>Page</u>
Figure 2.01	Job Management System Architecture (Emir, Branimir and Dobriša, 2004)	13
Figure 2.02	Major functional blocks of a Job Management System	15
Figure 3.01	Design Research Methodology (Vaishnavi & Kuechler, 2004)	37
Figure 4.01	Main Use Case Diagram	47
Figure 4.02	Login Use Case	48
Figure 4.03	Manage Product List Use Case	49
Figure 4.04	Manage Dealer List Use Case	50
Figure 4.05	Manage Fault List Use Case	52
Figure 4.06	Manage Spare Part List Use Case	53
Figure 4.07	Delivery Order Use Case	55
Figure 4.08	Add Check-in Job List Use Case	56
Figure 4.09	Add Check-out Job List Use Case	57
Figure 4.10	Add Quotation Job List Use Case	58
Figure 4.11	View Check-in Job List Use Case	59
Figure 4.12	View Check-out Job List Use Case	60
Figure 4.13	View Quotation Job List Use Case	61
Figure 4.14	View Job Report Use Case	62
Figure 4.15	Activity Diagram	64
Figure 4.16	Login Sequence Diagram	65
Figure 4.17	Add New Product Sequence Diagram	66
Figure 4.18	Update Product Detail Sequence Diagram	67

Figure 4.19	Search Product Detail Sequence Diagram	67
Figure 4.20	View All Product List Sequence Diagram	68
Figure 4.21	View Selected Product Detail Sequence Diagram	68
Figure 4.22	Add New Spare Part Sequence Diagram	69
Figure 4.23	Update Spare Part Detail Sequence Diagram	70
Figure 4.24	Search Spare Part Details Sequence Diagram	70
Figure 4.25	View All Spare Part List Sequence Diagram	71
Figure 4.26	View Selected Spare Part Detail Sequence Diagram	71
Figure 4.27	Add New Phone fault Sequence Diagram	72
Figure 4.28	Update Phone fault Detail Sequence Diagram	72
Figure 4.29	Search Phone fault Details Sequence Diagram	73
Figure 4.30	View All Phone fault List Sequence Diagram	73
Figure 4.31	View Selected Phone fault Detail Sequence Diagram	74
Figure 4.32	Add New Dealer Sequence Diagram	74
Figure 4.33	Update Dealer Detail Sequence Diagram	75
Figure 4.34	Search Dealer Details Sequence Diagram	76
Figure 4.35	View All Dealer List Sequence Diagram	76
Figure 4.36	View Selected Dealer Detail Sequence Diagram	77
Figure 4.37	Add New Delivery Order Sequence Diagram	77
Figure 4.38	Search Delivery Order Details Sequence Diagram	78
Figure 4.39	View All Delivery Order List Sequence Diagram	78
Figure 4.40	View Selected Delivery Order Detail Sequence Diagram	79
Figure 4.41	Add New Check-in Job List Sequence Diagram	79
Figure 4.42	Add New Check-out Job List Sequence Diagram	80

Figure 4.43	Add New Quotation Job List Sequence Diagram	81
Figure 4.44	View All Check-in Job List Sequence Diagram	81
Figure 4.45	View Selected Check-in Job List Sequence Diagram	82
Figure 4.46	View All Check-out Job List Sequence Diagram	82
Figure 4.47	View Selected Check-out Job List Sequence Diagram	83
Figure 4.48	View All Quotation Job List Sequence Diagram	83
Figure 4.49	View Selected Quotation Job List Sequence Diagram	84
Figure 4.50	View All Current Job on Hand Sequence Diagram	84
Figure 4.51	View Selected Current Job on Hand Sequence Diagram	85
Figure 4.52	View All Job Overtime Sequence Diagram	85
Figure 4.53	View Selected Job Overtime Sequence Diagram	85
Figure 4.54	Search Analysis Dealer Sequence Diagram	86
Figure 4.55	View All Analysis Dealer Sequence Diagram	86
Figure 4.56	Search Analysis Phone Fault Sequence Diagram	86
Figure 4.57	View Analysis Phone Fault Sequence Diagram	87
Figure 4.58	Search Job Report Sequence Diagram	87
Figure 4.59	View All Job Report Sequence Diagram	87
Figure 4.60	View Selected Job Report Sequence Diagram	88
Figure 4.61	Login Collaboration Diagram	88
Figure 4.62	Add New Product Collaboration Diagram	89
Figure 4.63	Update Product Detail Collaboration Diagram	89
Figure 4.64	Search Product Collaboration Diagram	89
Figure 4.65	View All Product Collaboration Diagram	90
Figure 4.66	View Selected Product Collaboration Diagram	90

Figure 4.67	Add New Spare Part Collaboration Diagram	91
Figure 4.68	Update Spare Part Detail Collaboration Diagram	91
Figure 4.69	Search Spare Part Collaboration Diagram	92
Figure 4.70	View All Spare Part Collaboration Diagram	92
Figure 4.71	View Selected Spare Part Collaboration Diagram	92
Figure 4.72	Add New Phone Fault Collaboration Diagram	93
Figure 4.73	Update Phone Fault Detail Collaboration Diagram	93
Figure 4.74	Search Phone Fault Collaboration Diagram	94
Figure 4.75	View All Phone Fault Collaboration Diagram	94
Figure 4.76	View Selected Phone Fault Collaboration Diagram	94
Figure 4.77	Add New Dealer Collaboration Diagram	95
Figure 4.78	Update Dealer Detail Collaboration Diagram	95
Figure 4.79	Search Dealer Collaboration Diagram	96
Figure 5.10	View All Dealer Collaboration Diagram	96
Figure 5.11	View Selected Dealer Collaboration Diagram	96
Figure 5.12	Add New Delivery Order Collaboration Diagram	97
Figure 5.13	Search Delivery Order Collaboration Diagram	97
Figure 5.14	View All Delivery Order Collaboration Diagram	98
Figure 5.15	View Selected Delivery Order Collaboration Diagram	98
Figure 5.16	Add New Check-in Job List Collaboration Diagram	99
Figure 5.17	Add New Check-out Job List Collaboration Diagram	99
Figure 5.18	Add New Quotation Job List Collaboration Diagram	100
Figure 5.19	View All Check-in Job List Collaboration Diagram	100
Figure 4.90	View Selected Check-in Job List Collaboration Diagram	101

Figure 4.91	View All Check-out Job List Collaboration Diagram	101
Figure 4.92	View Selected Check-out Job List Collaboration Diagram	102
Figure 4.93	View All Quotation Job List Collaboration Diagram	102
Figure 4.94	View Selected Quotation Job List Collaboration Diagram	103
Figure 4.95	View All Current Job on Hand Collaboration Diagram	103
Figure 4.96	View Selected Current Job on Hand Collaboration Diagram	104
Figure 4.97	View All Job Overtime Collaboration Diagram	104
Figure 4.98	View Selected Job Overtime Collaboration Diagram	104
Figure 4.99	Search Analysis Dealer Collaboration Diagram	105
Figure 4.100	View All Analysis Dealer Collaboration Diagram	105
Figure 4.101	Search Analysis Phone Fault Collaboration Diagram	105
Figure 4.102	View All Analysis Phone Fault Collaboration Diagram	106
Figure 4.103	Search Job Report Collaboration Diagram	106
Figure 4.104	View All Job Report Collaboration Diagram	107
Figure 4.105	View Selected Job Report Collaboration Diagram	107
Figure 4.106	Class Diagram for JMS	108
Figure 5.01	Index Page	110
Figure 5.02	Mage Page	111
Figure 5.03	Add New Product Page	112
Figure 5.04	View Added Product Page	113
Figure 5.05	Update Product Page	114
Figure 5.06	Search Product Page	115
Figure 5.07	View All Product Page	115

Figure 5.08	View Selected Product Page	116
Figure 5.09	Add New Spare Part Page	117
Figure 5.10	View Added Spare Part Page	117
Figure 5.11	Update Spare Part Page	118
Figure 5.12	View Updated Spare Part Page	119
Figure 5.13	Search Spare Part Page	120
Figure 5.14	View All Spare Part Page	121
Figure 5.15	View Selected Spare Part Page	122
Figure 5.16	Add New Phone Fault Page	123
Figure 5.17	View Added Phone Fault Page	124
Figure 5.18	View Added Phone Fault Page	125
Figure 5.19	Search Phone Fault Page	126
Figure 5.20	View All Phone Fault Page	127
Figure 5.21	View Selected Phone Fault Page	128
Figure 5.22	Add New Dealer Page	129
Figure 5.23	View Added Dealer Page	129
Figure 5.24	Search Dealer Page	130
Figure 5.25	Search Dealer Page	131
Figure 5.26	View All Dealer Page	132
Figure 5.27	View Selected Dealer Page	133
Figure 5.28	Add New Delivery Order Page 1	134
Figure 5.29	Add New Delivery Order Page 2	135
Figure 5.30	Add New Delivery Order Page 3	136
Figure 5.31	Add New Delivery Order Page 4	136

Figure 5.32	View Added Delivery Order Page	137
Figure 5.33	Search Delivery Order Page	138
Figure 5.34	View All Delivery Order Page	139
Figure 5.35	View Selected Delivery Order Page	140
Figure 5.36	Add New Check-in Job Page	141
Figure 5.37	View Added Check-in Job Page	142
Figure 5.38	Add New Check-out Job Page1	143
Figure 5.39	Add New Check-out Job Page2	143
Figure 5.40	View Added Check-out Job Page	144
Figure 5.41	Add New Quotation Job Page1	145
Figure 5.42	Add New Quotation Job Page2	145
Figure 5.43	View Added Quotation Job Page	146
Figure 5.44	View All Check-in Job Page	147
Figure 5.45	View Selected Check-in Job Page	148
Figure 5.46	View All Check-out Job Page	149
Figure 5.47	View Selected Check-out Job Page	150
Figure 5.48	View All Quotation Job Page	151
Figure 5.49	View Selected Quotation Job Page	152
Figure 5.50	Current Job on Hand Page	153
Figure 5.51	Job Overtime Page	154
Figure 5.52	Search Analysis Dealer Page	155
Figure 5.53	Analysis Dealer Result Page	156
Figure 5.54	Search Analysis Phone Fault Page	157
Figure 5.55	Analysis Phone Fault Result Page	157

Figure 5.56	Search Job Report Page	158
Figure 5.57	Job Report Result Page	159
Figure 6.1	Gender Graph	178
Figure 6.2	Employ Background Graph	179
Figure 6.3	Question 1 Statistic	181
Figure 6.4	Question 2 Statistic	181
Figure 6.5	Question 3 Statistic	182
Figure 6.6	Question 4 Statistic	183
Figure 6.7	Question 5 Statistic	183
Figure 6.8	Question 6 Statistic	185
Figure 6.9	Question 7 Statistic	185
Figure 6.10	Question 8 Statistic	186
Figure 6.11	Question 9 Statistic	187
Figure 6.12	Question 10 Statistic	187
Figure 6.13	Question 11 Statistic	189
Figure 6.14	Question 12 Statistic	189

LIST OF TABLES

<u>Table Number</u>		<u>Page</u>
Table 3.1	Idea from BM Communication	38
Table 4.1	Functional Requirements	45
Table 4.2	Non-Functional Requirements	46
Table 6.1	Test Case User Login Functionality	160
Table 6.2	Test Case Manage Product List Functionality	161
Table 6.3	Test Case Manage Spare Part List Functionality	163
Table 6.4	Test Case Manage Phone Fault List Functionality	165
Table 6.5	Test Case Manage Dealer List Functionality	166
Table 6.6	Test Case Manage Delivery order List Functionality	167
Table 6.7	Test Case Add New Check-in Job List Functionality	169
Table 6.8	Test Case Add New Check-out Job List Functionality	170
Table 6.9	Test Case Add New Quotation Job List Functionality	171
Table 6.10	Test Case View Check-in Job List Functionality	172
Table 6.11	Test Case View Check-out Job List Functionality	172
Table 6.12	Test Case View Quotation Job List Functionality	173
Table 6.13	Test Case View Report Functionality	174
Table 6.14	Gender	177
Table 6.15	Employ Background	178
Table 6.16	PERCEIVED USEFULNESS	180
Table 6.17	PERCEIVED EASE OF USE	184
Table 6.18	USER SATISFACTION	188
Table 6.19	User Evaluation Summary	190

CHAPTER ONE

INTRODUCTION

1.0 Introduction

Job Management System (JMS) is a component of cluster middleware responsible for management of users' applications (i.e. jobs) execution at the computational cluster (SRCE, 2007). The main goal of JMS is to create interface for users' job requests, to achieve efficient resource utilization and to allow owners to define cluster usage policies (Emir, Branimir and Dobrisa, 2004). According to Xiaoguang, Hui and, Yongbin (2010)'s research mentions, Microsoft provides a new HPC platform, Windows HPC Server 2008 which brings the power, performance, and scale of high performance computing to mainstream computing. Although Windows HPC Server provides multiple methods for job management and submission, but none of them supports web-based and user friendly interface.

According to Emir, Branimir and Dobriša (2004), they talked about some of the JMS features that they have installed and their own experiences with those systems. All JMSs comes with standard features. For this reason, they have outlined only those that are not provided or those that are significantly good. They stated that Portable Batch System (PBS) do have some limitations like limited graphic user interface, no complex job types, limited node configuration and so on. Besides that, they highlighted on the

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